

# Oughta Cost System

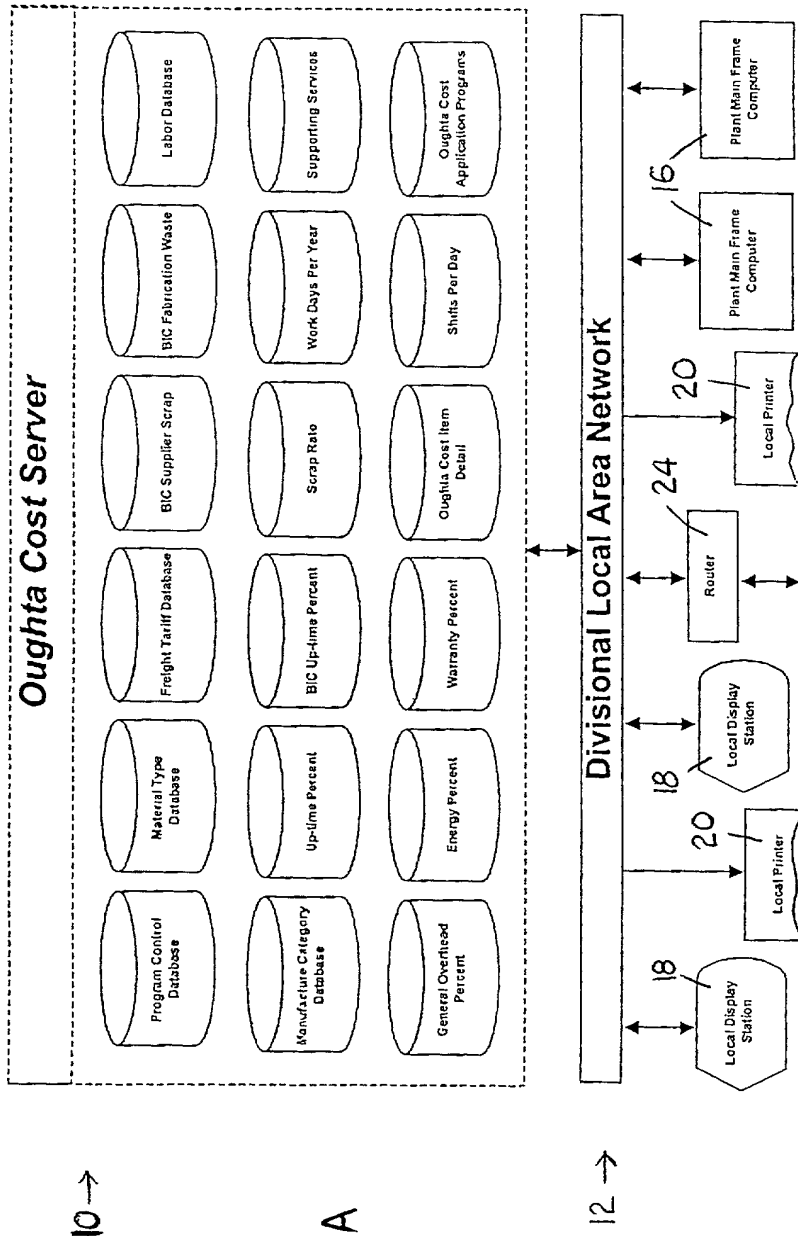


Fig 1A

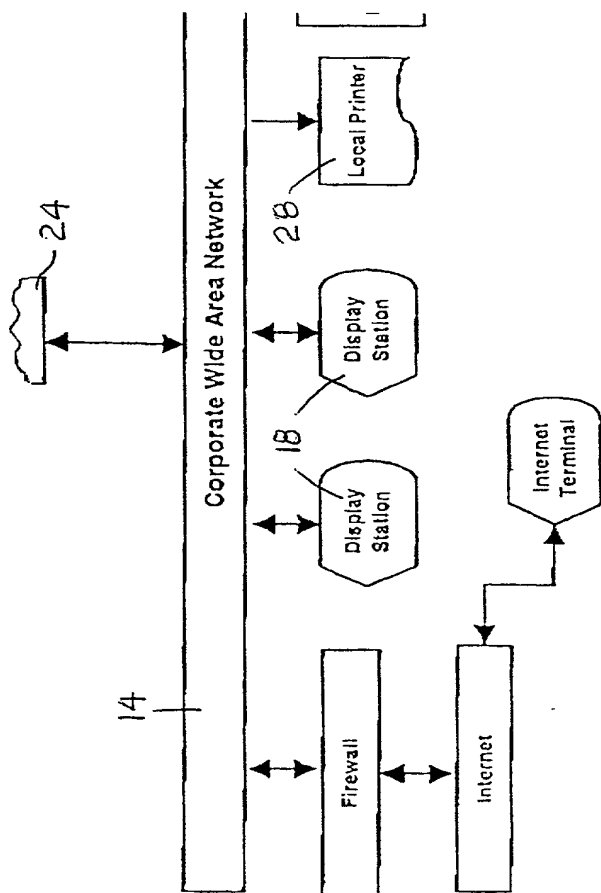


Fig 1B

Oughta Cost System

Oughta Cost Search

New Crankshaft

Existing Oughta Cost Studies

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Goss
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Core Assembly Process	Public	Gary Denkiau

Name of New Oughta Cost Study

Copy An Existing Study

Create New Study

Open Study Reports Exit

page 3 of 19  
D5D45

FIG 2

Material

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Material Type

Supplier Scrap:

Fabrication Waste:

Freight

Origin

Destination

Mode

Steel Forging

Fine Blanked Steel

Copper

Tin

Plastic

Die Cast Aluminum

Brass Bar Stock

Plastic

Bronze Bar Stock

Nitralloy Steel Bar

Light Needed

Material Cost

Material Cost

Material Cost

Returnable Containers

Dunnage

Rates/CWT

Materials Table

Material Code	Unit of Measure	Category	Description
---------------	-----------------	----------	-------------

Comments

page 4 of 19  
DSD45

FIG 3

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Supplier Scrap.

Fabrication Waste

Steel Forging

5.00%

5.10%

5.20%

5.30%

5.40%

5.50%

5.60%

5.70%

5.80%

5.90%

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Freight

Origin

Destination

Mode

Weight Needed

Material Cost

Cost

Material Cost

Returnable Containers

Dunnage

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

page 5 of 19  
D 5045

FIG 4

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Freight

Origin

Destination

Mode

5.00%

5.10%

5.20%

5.30%

5.40%

5.50%

0%

Weight Needed

Material Cost

Loss

Rates/CWT

Returnable Containers

Dunnage

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

Page 6 of 19  
D 5045

FIG 5

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

5.00%

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Freight

Origin

New York

Total Weight Needed

111

Returnable Containers

Destination

California

Total Material Cost

\$

Dunnage

Mode

Truck Load

Freight Cost

\$

Rates/CWT

\$

Less Than Truck Load

Rail

Boat

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

page 7 of 19  
D5045

FIG 6

Material		Program # 02010100001   Component: Shaft   Component # 100   Status: Public									
<input checked="" type="checkbox"/> Cost Components -Material -Capital -Labor -Manufacturing -Overhead Reports Home Exit	Material Type	Steel Forging									
	Supplier Scrap:	5.00%									
	Fabrication Waste:	5.00%									
<b>Freight</b>											
	Origin	New York	Total Weight Needed	111	Returnable Containers						
	Destination	California	Total Material Cost	\$51.06	Dunnage					Y	
	Mode	Truck Load	Freight Cost	\$1.11							
			Rates/CWT	\$1.00							
<b>Materials Table</b>											
	Material Code	Unit of Measure	Category	Description							
	1-112-A	Ton	Forging	Steel Forging							
				Crankshaft for 2003 model year V8							
<b>Comments</b>											
This study has only one component.											

Page 8 of 19  
D3045

FIG 7



Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Save & Exit

Program # 011220000001 | Component: Shaft | Component # 123456 | Status: Public

Supporting Services: 0% ▾

Region: North ▾

Machining Type: Transfer Line ▾

Skill Level: Standard Machining ▾

Additional Labor \$ 0.00

Employee Type	Number Required	Operation # (OP #)	Default Labor Rate	Employee Benefit (% of Labor Rate)	Employee Benefits
DIRECT LABOR					
Machine Operators	3	10	\$11.00	50 %	\$5.50
Machine Operators	3	20	\$11.00	%	\$3.50
Assembly Test	0		\$9.00	%	\$3.50
INDIRECT LABOR					
Material Handling	.5	10	\$8.00	%	\$4.00
Shipping	2	30	\$11.00	%	\$4.00
Receiving	.2	05	\$8.00	%	\$4.00
Line Stocking	1	10	\$7.00	%	\$3.50
Material Scheduler	.25		\$6.00	%	\$3.00
Inspection	.25	20	\$8.00	%	\$4.00
Quality	.25	20	\$9.00	%	\$4.50
Supervisor	1		\$14.00	%	\$4.00

Page 9 of 19  
D5045

FIG 8

Capital

[Cost Components](#)  
[-Material](#)  
[-Capital](#)  
[-Labor](#)  
[Manufacturing](#)  
[-Overhead](#)  
[Reports](#)  
[Home](#)

Program # 01122000003 | Component: Shaft | Component # 123456 | Status: Public

General Capital

Building Expansion

Qty 1

Item Category Building

Depreciation 30 yrs

Capital \$ \$200,000

Add General Item

Machining Capital

Qty	Op #	Description	Category	Capital \$	Capital Depreciation	Tooling \$	Tooling Depreciation
1	10	Rough Machining	Machine Tool	\$25,000	5 yrs		
	10	Cutters	Tooling			\$800	1 yrs

Add Machining Item

Comments

Cancel

Help

FIG 9

Manufacturing

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Transfer Line

50%

51%

52%

53%

54%

100%

per

Manufacturing Time

Manufacturing Category

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

Page 10 of 19  
D5045

FIG 10

Manufacturing

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Program # 01122000001 | Component: Shift | Component # 123456 | Status: Public

Manufacturing Category

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Transfer Line

50%

70%

75%

80%

85%

90%

95%

100%

per

Manufacturing Time

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

Page 12 of 19  
D5045

FIG II

Manufacturing Category		Transfer Line
Uptime Current	50%	
Uptime World Class	90%	
Scrap Rate		
Volume		per
	5.00%	
	5.10%	
	5.20%	
	5.30%	
	5.40%	
	5.50%	
	5.60%	
	5.70%	
	5.80%	
	5.90%	

Manufacturing Time		Op #	Unit of Measure	Time	Calculated Capacity
Requires Manpower	Equipment #				
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element	

FIG 12

Manufacturing

Program # 01122000001

Component: Shaft

Component # 123456

Status: Public

Transfer Line

50%

Uptime Current

90%

Uptime World Class

0%

Scrap Rate

20,000

per Year

Available Manufacturing Time

240

Work Days per Year

2

Work Shifts per Day

8

Work Hours per Shift

Component

Manufacturing Utilization

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12345	05	<div>sec min hour</div>		
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

D5045  
Page 146 of 19

FIG 13

Manufacturing

Program # 011220000001

Component: Shift

Component # 123456

Status: Public

Transfer Line

50%

Uptime Current

90%

Uptime World Class

0%

Scrap Rate

20,000

per Year

Available Manufacturing Time

240

Work Days per Year

2

Work Shifts per Day

8

Work Hours per Shift

50%

Component Manufacturing Utilization

50%

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	123456	05	sec	80	86,400
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	246810	10	sec	80	86,400
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	357159	20	min	1.3	86,400

Add Manufacturing Time Element

Page 15 of 19  
D5D45

FIG 14

OverHead

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Exit

Program # 011220000001 | Component: Shaft | Component # 123456 | Status: Public

Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
TOTALS		\$225,800		\$12,467		\$7,634

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1%

Additional Expenses

0.1%

Cost Category

Cost Desc

0.2%

0.3%

0.4%

0.5%

Cost (\$)

Occurrence

Add Cost Category

Comments

D5D45  
Page 16 of 19

FIG 15



OverHead

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Exit

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
TOTALS		\$225,800		\$12,467		\$7,634

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1%

Additional Expenses

Cost Category	Cost Description	Cost (\$)	Occurrence
Pershable Tooling			
MRO			
General Overhead			
Energy			
Other			

Comments

FIG 16

Page 17 of 19  
DSD45

Reports

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

☒ Standard Report Package

☒ Material

☐ Labor

☐ Capital

☐ Manufacturing

☐ Overhead

☒ Summary

▼

▼

Cancel

Help

Select

Program

Program Description

Component Control #

Component:

Selected Items:

1201200001

10292000002

01222001004

02102001001

Page 18 of 19  
D5D45

FIG 17

×

Cost Components

- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Home
- Exit

Reports

☒ Standard Report Package

☒ Material

☐ Labor

☐ Capital

☒ Manufacturing

☐ Overhead

☒ Summary

Print Preview

Print

Export to Access

Export to Excel

Inquiries

Select

Program

Program Description.

Component Control #.

Component.

Selected Items:

12012000001

New Crankshaft

123456

Shaft

01122000001 New Crankshaft

Page 19 of 19  
D5045

FIG 18